

FIG.1 pEasyfloxFRTGK12 mRRP1

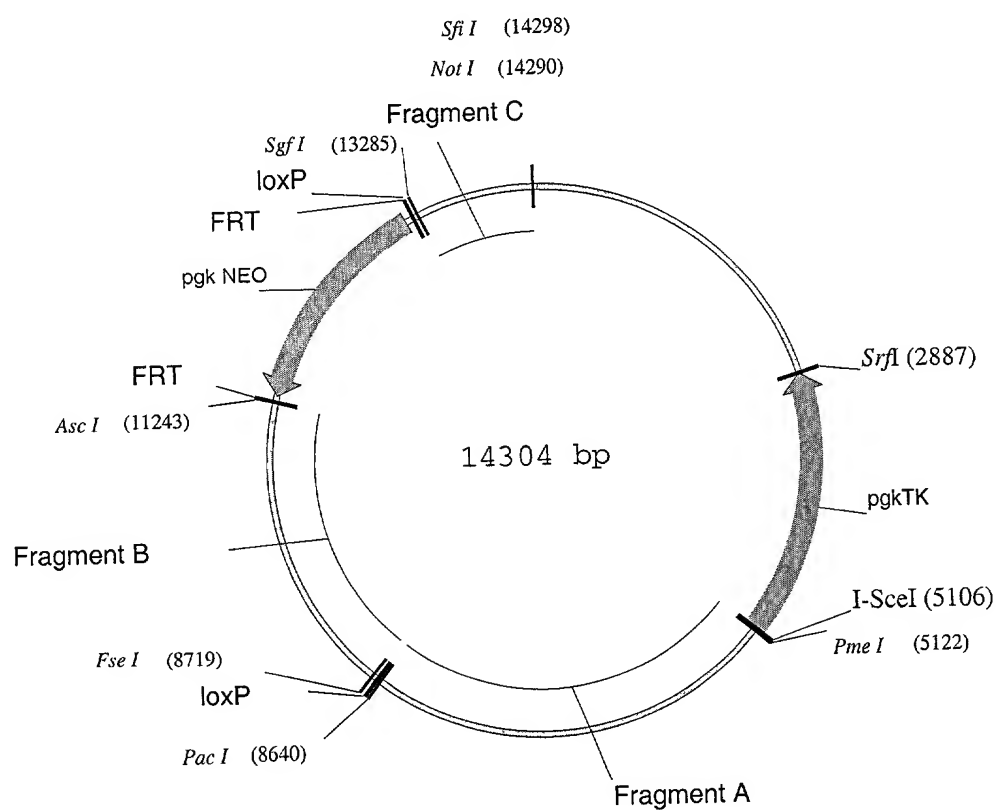


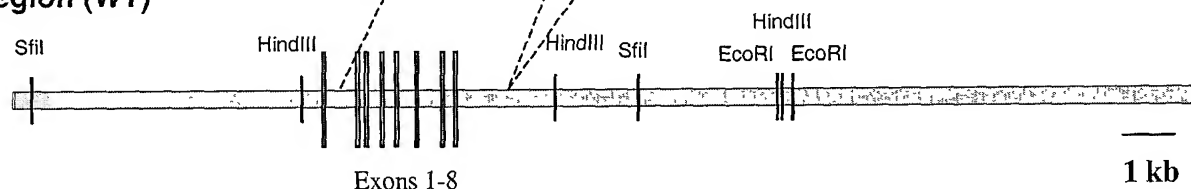
FIG.2 mRRP1 gene targeting

RRP1 Mouse Targeting Vector



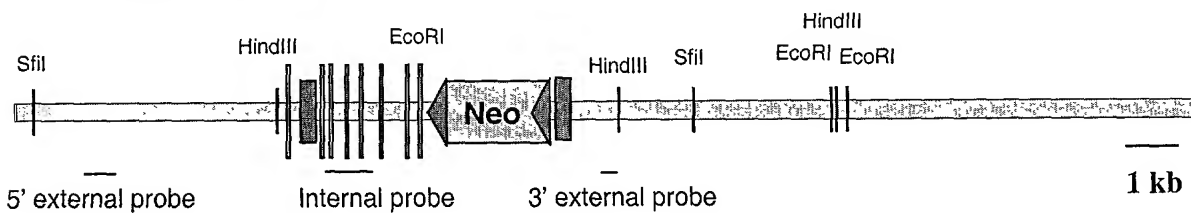
loxP site
FRT site

RRP1 Mouse genomic region (WT)



EcoRI/SfiI 10.0 kb (5' external probe)
HindIII 4.3 kb (3' external probe)
HindIII 4.3 kb (internal probe)

RRP1 target allele (HR)

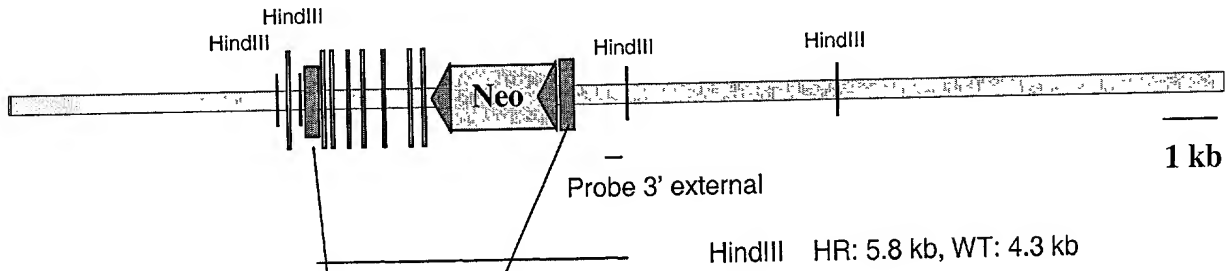


5' external probe Internal probe 3' external probe

EcoRI/SfiI 7.5 kb (5' external probe)
HindIII 5.8 kb (3' external probe)
HindIII 5.8 kb (internal probe)

FIG.3

RRP1 target allele (HR)



**RRP1 target allele
Cre deletion**

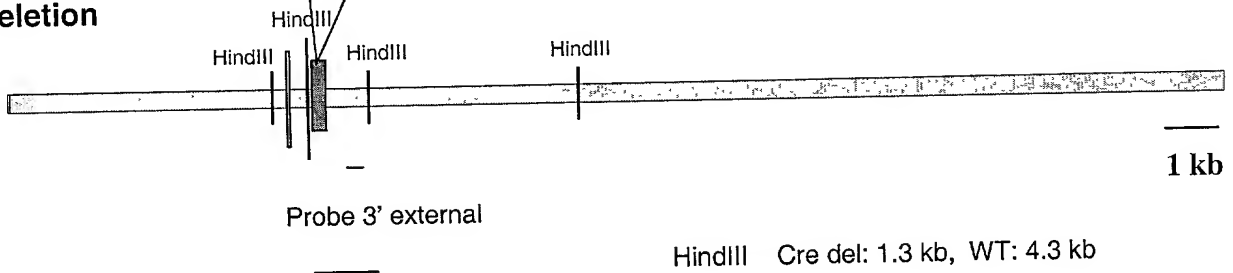
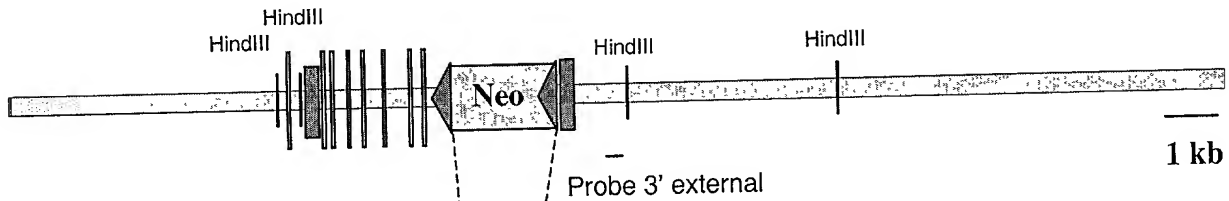


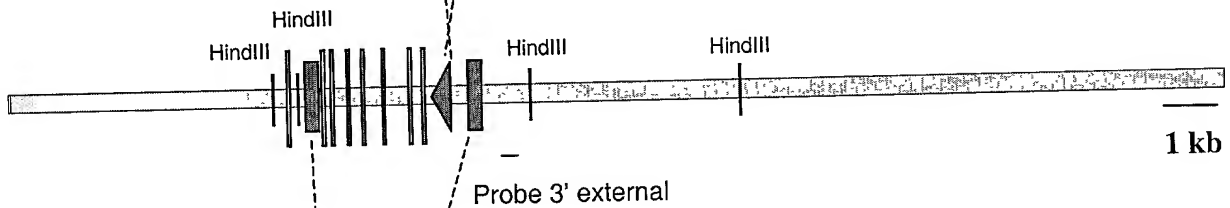
FIG.4

RRP1 target allele (HR)



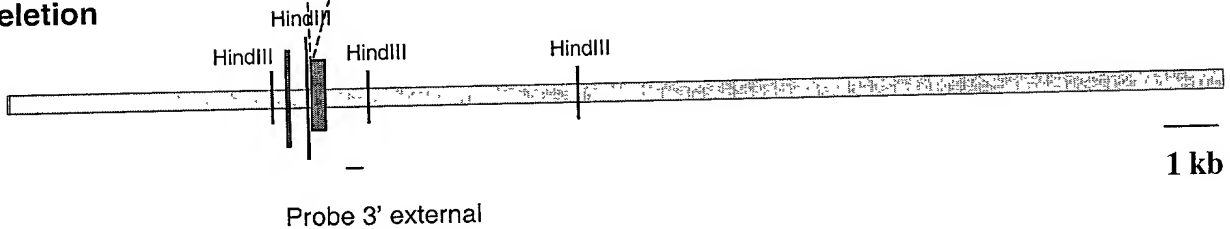
HindIII HR: 5.8 kb, WT: 4.3 kb

**RRP1 target allele
FLP deletion**



HindIII FLP del: 3.8 kb, WT: 4.3 kb

**RRP1 target allele
Cre deletion**



HindIII Cre del: 1.3 kb, WT: 4.3 kb